

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-270633

(43)Date of publication of application : 28.09.1992

---

(51)Int.Cl. B29C 59/02

B29C 59/00

// B29K 27:06

B29K 69:00

B29K 71:00

B29K 81:00

B29L 7:00

---

(21)Application number : 03-069103 (71)Applicant : RICOH CO LTD

(22)Date of filing : 08.03.1991 (72)Inventor : IKEDA KUNIO

---

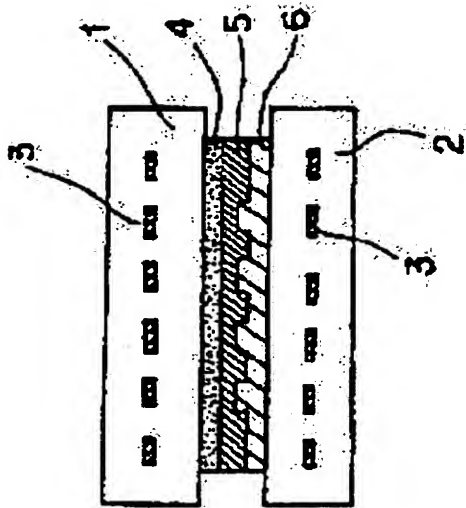
(30)Priority

Priority number : 40227610 Priority date : 15.10.1990 Priority country : JP

---

(54) METHOD FOR MICROTRANSFERRING

BEST AVAILABLE COPY



(57)Abstract:

**PURPOSE:** To inexpensively prepare a microtransferred product with high productivity by a method wherein a film-shaped heater is held between one of heating plates and a template and a thermoplastic film is heated while two heating plates are pressed in a vertical direction.

**CONSTITUTION:** A stamper 5 and a thermoplastic film 6 are heated by heating plates 1, 2 and a film-shaped heater and, when both of them are heated to the glass transition point of the thermoplastic film or higher under pressure, the heated thermoplastic film 6 becomes flowable toward the fine grooves of

the stamper 5 and the grooves are filled with the thermoplastic film. After the thermoplastic film is held to a pressed state for a definite time, the film is cooled to its glass transition point or lower and pressure is released to take out a stampable sheet 7 being a molded product. Since the film-shaped heater is formed by embedding a resistance heater in an elastomer sheet having heat resistance in a sheet like form, non-uniform pressure can be prevented.

---

#### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

**BEST AVAILABLE COPY**

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

**BEST AVAILABLE COPY**